

WHAT IS CLAIMED IS:

1. An automatic tensioner for a timing chain, comprising:

a plunger inserted inside a cylinder for changing the tension of a timing chain
by a linear sliding movement;

5 an oil pump pumping and supplying oil from an oil pan to said cylinder; and
a reservoir tank for preserving oil between said oil pump and said cylinder.

2. The tensioner as defined in claim 1, wherein said reservoir tank is
integrally formed with a cylinder block, and said cylinder is accommodated inside said
10 reservoir tank.

3. The tensioner as defined in claim 1, wherein an oil supply hole formed
at said reservoir tank is installed higher than said cylinder.

15 4. The tensioner as defined in claim 1, wherein said cylinder is formed
with an oil hole at an end in an opposing direction from said plunger's insertion for
connecting with said reservoir tank.

5. An automatic tensioner for a timing chain, comprising:
20 a cylinder;
a plunger within said cylinder, where said plunger is configured to be attached
to a tensioner arm configured to change tension of a timing chain; and
a reservoir tank for supplying oil to said cylinder.

25 6. The tensioner as defined in claim 5, wherein said reservoir tank is

integrally formed with a cylinder block, and said cylinder is provided inside said reservoir tank.

7. The tensioner as defined in claim 5, wherein an oil supply hole formed at said reservoir tank is installed higher than said cylinder.

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8. The tensioner as defined in claim 5, wherein said cylinder is formed with an oil hole at one end opposing a direction of said plunger's insertion within said cylinder, where said oil hole is configured to connect with said reservoir tank.

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9. The tensioner as defined in claim 5, further comprising an oil pump coupled to said reservoir tank and configured to pump oil from an oil pan to said cylinder.